

ABSTRACT

A hydraulic lifting device capable of being rapidly raised in a mechanical movement by use of a linkage mechanism that comprises a lifting device, a rotating shaft and a linkage. The
5 lifting device has a basic construction of two vertical side plates, a lifting arm, and a saddle support plate at the front end of the lifting arm. An outer end of the saddle support plate has an axial rod at a predetermined position. The rotating shaft extends through a clearance hole in the vertical side plate of the lifting
10 device. The rotating shaft is integrally attached to the linkage, and the linkage has two extreme ends which are integrally attached to both the rotating shaft and the axial rod in the saddle support arm. By the above components and mechanical assembly, as the rotating shaft is rotated the linkage is driven through the
15 axial rod in the saddle support plate and the lifting arm is rapidly raised in a mechanical movement, not a hydraulic movement, to the support point of the vehicle to be lifted by a secondary hydraulic action.